

Data Sheet

LTE Outdoor CPE

ARW 310



Key Parameters

- 4G LTE-A
- DL 64QAM/UL 64QAM
- CBRS Band
- FOTA/TR069
- High Gain Antenna
- IP67

Hardware Function

Cellular Bands		
LTE	FDD:B1/B3/B7/B8/B20/B28	
	TDD: B38/B40/B41/B42/B43/B48	
Chipset		
GCT GDM7243QT		
Category		
Rel-10/11		
Category 6		
External port		
1 x 1G Ethernet port		
1x SIM Slot (2FF)		
1 x Reset		
LED		
1 X Power indicator		
1 X Network status indicator		
1 x Tri-color Signal indicators		
1X SIM indicator		
Antenna		
4 x Built-in LTE Antenna		
Antenna Gain		
Option 1: Full Band	700M~1G	6dBi
	1.7G-2.1G	7dBi
	2.3G~2.7G	9dBi
	3.4G-3.8G	8dBi
Option 2: Wide Band	1.7G~2.7G	7dBi
	3.4G~3.8G	13dBi
Option 3: Narrow Band	3.4G~3.8G	17dBi
Carrier Aggregation		
LTE	LTE DL 2CA	
MIMO		
DL4*4 MIMO		

Maximum transmission power	
4G LTE	Class 3(23 dBm±2 dB)
Maximum transmit throughput (theoretical value)	
Downlink	TDD:220Mbps
	FDD:300Mbps
Uplink	TDD: 15Mbps
	FDD:75Mbps
Power supply	
DC 20~58V,24V default	
Power consumption	
<8W	
Dimensions	
288x 288x82 mm 11.34×11.34×2.3in	
Weight	
<2000g(4.41lbs)	
Humidity	
Operation humidity	5% - 95% (non-condensing)
Storage humidity	5% - 95% (non-condensing)
IP rating	
IP67	
Temperature	
Working temperature	-30°C to 60°C -22°F to 140°F
Storage temperature	-40°C to 85°C -40°F to 185°F

Software Function

Support System	
Windows (Win7/Win8/Win10); Mac (Mac OS 10.10 or above); Linux; Chrome OS	
Language	
English	

WAN
Multi-APN support, maximum four; IP pass-through; IPv4/IPv6 dual stack
LAN
DHCP Server; DNS and DNS proxy; DMZ
Management
TR069; SNMP v2/v3; Web UI; Software upgrade via Web UI/TR069/FOTA; USIM PIN management
VPN and Routing
PPTP; L2TPV2; Static routing; NAT/Bridge/Route Mode; Port Mirror and Port Forwarding; IPV4/IPV6 Dual Stack
Security
Firewall; MAC Address Filtering; IP Address Filtering; URL Filtering; Access Control; HTTPS Login from WAN; Dos attack protection; Two level of user authority
Reliability
Watchdog; Auto rollback to previous version when upgrade fails

Certificaiton and Environment Compliance

Certification Compliance (* Partially Certified or Under Certification Process)
CE*; FCC*; RoHS*; REACH*; WEEE*
Environment Compliance
Cold: IEC 60068-2-1; Dry heat: IEC 60068-2-2; Damp heat cyclic: IEC 60068-2-30; Change of temperature: IEC 60068-2-14; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32; Vibration: IEC60068-2-6